

TOBACCO INDUSTRY RESEARCH COMMITTEE  
150 EAST FORTY SECOND STREET NEW YORK 17, N.Y.

#51R2

Application For Research Grant

(Activated 7/1/55  
Renewed as of 7/1/56)

Date: 22 April 1957

1. Name of Investigator: **H. R. Pratt-Thomas, M.D.**

2. Title: **Professor of Pathology  
Medical College of South Carolina**

3. Institution: **Medical College of South Carolina**

& Address: **16 Lucas Street, Charleston, South Carolina**

4. Project or Subject: **Biological Assay of Cancer Producing Factors  
in Cigarette Smoke Tars.**

5. Detailed Plan of Procedure (Use reverse side if additional space is needed):

It is proposed that tars procured from cigarette smoke be applied to the cervix of the uterus of mice according to a technique that has been devised by this investigator. This technique was reported in a paper entitled: "Carcinogenic Effect of Human Smoags; an Experimental Study". A Preliminary Report read before the American Cancer Society on October 18, 1954. (See attached abstract). This report concerns the experimental production of epidermoid carcinoma of the cervico-vaginal area of mice in a manner that should be practical for comparable application of such substances as the tars or extractives from cigarette smoke. From the results encountered in the previous experiment it appears that the cervix and contiguous vagina of mice is a susceptible area for the production of experimental surface epithelial growth. The nature of the epithelial surface of that location would appear to be more comparable to that of the respiratory area than an outer skin surface. It is proposed to use substances obtained from cigarette smoke in ways that would be approved by the TIRC Scientific Advisory Board and that these substances would, if possible, be obtained from such sources as may be approved or certified by the Scientific Advisory Board as produced out of methods that may be judged comparable to natural cigarette smoking.

Signature

Director of Project

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6. Budget Plan:

Salaries	\$ 6,900.00
Expendable Supplies	275.00
Permanent Equipment	80.00
Overhead	755.50
Other	300.00
Total	8,310.50

7. Anticipated Duration of Work: One additional year.

8. Facilities and Staff Available: H. R. Pratt-Thomas, M.D. (Principal Investigator) -  
No salary.

We have a large and active Department of Pathology. All the usual major technical facilities are available such as microscopes, microtomes, tissue processing apparatus, etc. There are at least five major experimental projects supported by Grant-in-Aids in progress at the present time, two of which are under my direction. The major expenses concern competent help, as furnished by a research assistant, technician (who would also handle records and minor secretarial work) and an animal

9. Additional Requirements: caretaker.

None.

10. Additional Information (Including relation of work to other projects and other sources of supply):

It will be noted that it is proposed that such tars as may be secured from cigarette smoke by methods or from sources judged suitable and relevant by the TIRC Scientific Advisory Board in accordance with the adopted program of the Board.

Signature /s/ H. R. Pratt-Thomas

Director of Project

/s/ L. M. Michaelis

Business Officer of the Institution

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